



Bond Oversight Commission

ANNUAL REPORT
MARCH 1, 2017



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2012 Bond Oversight Commission



March 1, 2017

Roger W. Randolph
City Clerk
City of Tucson

Dear Mr. Randolph,

In accordance with Resolution 21945 adopted by Mayor and Council on August 7, 2012, I am providing the accompanying document as the Bond Oversight Commission's 2017 Annual Report to the Mayor and Council and the Citizens of the City of Tucson.

The report describes the activities and recommendations of the 2012 Bond Oversight Commission during its fourth year of existence.

The BOC member attendance record is also included within the report. Please forward the BOC 2017 Annual Report to the appropriate City officials and post the report on the City Clerk's website for Boards and Commissions.

Sincerely,

Daniel Castro
BOC Chair

“Because of City efficiencies and lower than expected material costs, citizens are getting many more miles of improved streets than were promised in 2012.”

Daniel Castro,
BOC Chairperson

Introduction

The 2012 Bond Oversight Commission (BOC) was established by the City Manager and the Tucson Mayor and City Council. The BOC is charged with responsibility to monitor the progress of road improvement projects to ensure that bond funds are used only as approved by the voters.

In accordance with Resolution 21945 adopted by Mayor and Council on August 7, 2012, please consider this document the Bond Oversight Commission’s Annual Report to the Mayor and Council and the Citizens of the City of Tucson.

Executive Summary

The promise to voters during the Proposition 409 campaign in 2012 was that the City of Tucson would expend \$100 million over five consecutive years to improve City roadways. In adopting Proposition 409, City residents approved spending \$85 million on a package of specified arterial roadways to be improved and \$15 million on residential streets to be determined by a Bond Oversight Commission (BOC). Now in its fourth year, the City’s Road Recovery Program is improving more roads than had been promised to voters, within its original budget and ahead of schedule.

Because of the Tucson Department of Transportation’s conservative road repair estimates and a favorable bidding environment resulting from lower material costs, the



BOC was able to recommend, and the Mayor and Council approved, an expanded list of arterial and residential road repair projects. As of February 13, 2017, the Road Recovery Program has improved 700 lane miles of arterial roadway (121 centerline miles) and 156 lane miles of residential streets (58 centerline miles), with more to come.

The public can see the progress that has been made in improving Tucson's roadways by looking at TDOT's user friendly interactive map. The map allows the public to view both major streets and residential street segments that have been improved, segments that are currently under reconstruction or maintenance, and street segments that are planned for improvement. That map can be viewed at www.tucsonaz.gov/street-bonds.

The 2012 Bond Funds that were approved for a five-year period will be exhausted in 2018.

Despite the fact that TDOT has made great strides to improve the City's roadway infrastructure through the bond program, the City's unmet roadway needs are still great and far exceed current bond and other budgeted revenues.

In January 2017, the Mayor and Council voted to hold a special election in May 2017 asking voters to consider a five-year ½-cent sales tax increase to fund street repair and maintenance and public safety needs. The tax would raise approximately \$250 million in that five-year period, of which approximately \$100 million would be dedicated to repairing and maintaining City streets. If approved by voters, \$60 million would be used for repair and maintenance of major streets in the City and \$40 million would be used for repair and maintenance of Tucson's residential streets.

If approved by voters, the sales tax funds would be used to continue the Road Recovery Program. This Bond Oversight Commission would remain in existence and continue to provide citizen oversight of the expenditure of the sales tax funds in the same way it has done for the bond funds that were approved by voters in 2012.

At the request of the Mayor and Council, the Department of Transportation has produced a map showing what major streets would be repaired with funding from the sales tax. The map can be viewed at www.tucsonaz.gov/prop101. TDOT and the BOC will work to identify neighborhood areas that would be considered for residential street repair and maintenance.

Bond Oversight Commission Membership And Attendance

The following is a list of the Commission members with their respective rolls and appointers.

2012 Bond Oversight Commission Members:		
Member	Role	Appointed By
Mr. Bruce Burke	Chairperson (2016)	City Manager
Mr. Dale Calvert	Co-Chair (2014)	City Manager
Mr. Daniel Castro	Chairperson (2017)	Ward 1
Mr. Melvin Cohen	Member	Mayor
Mr. Ramon Gaanderse	Chairperson (2015)	City Manager
Mr. Ricky Hernandez*	Member	City Manager
Mr. Ian Johnson	Member	Ward 3
Dr. Lorraine Morales	Co-Chair (2017)	Ward 4
Mr. Jesse Lugo	Co-Chair (2015)	Ward 5
Mr. Steve Pageau	Chairperson (2014)	Ward 6
Mr. Steve Alan Taylor	Member	Ward 2

* Ricky Hernandez has resigned from the Bond Oversight Commission. A replacement will be named by the City Manager.



The BOC met six times in FY 2016-17. The Commission oversaw the expenditure of funds on arterial and residential street improvements.

2012 Bond Oversight Commission Attendance Summary 2016-2017

Name	Appointed by:	02/4/2016	06/27/2016	09/26/2016	10/6/2016	12/12/2016	02/13/2017
Bruce Burke	City Manager	x	x	x	x	x	x
Dale Calvert	City Manager		x	x	x	x	
Daniel Castro	Ward 1	x	x	x	x	x	x
Melvin Cohen	Mayor	x			x	x	
Ramon Gaanderse	City Manager		x	x		x	x
Vacant	City Manager						
Ian Johnson	Ward 3	x			x	x	x
Dr. Lorraine Morales	Ward 4	x			x	x	x
Jesse Lugo	Ward 5	x	x	x	x	x	x
Steve Pageau	Ward 6	x	x	x			x
Steve Taylor	Ward 2		x	x			x

Meeting Highlights – FY 2016-17

June 26, 2016

Paul J. Polito, Tucson Asphalt, provided the BOC with a presentation on the patent-pending, Green Asphalt product. He reviewed the benefits of using Green Asphalt on residential and secondary streets. He said it was about \$8 less per square yard and would increase resistance to cracking and reduce roadway noise.

Alfred Zuniga, TDOT, presented the current bid packages. They included rehabilitation, residential and fog seal projects. Also, TDOT is working on the first FY 2017 package.

Michael Graham, TDOT Public Information Officer, presented the citizen request log. He explained that constituents were inquiring about which streets are getting repaired and when. To answer their questions, constituents are being directed to the interactive map on the website <https://maps2.tucsonaz.gov/prop409>.

A letter was circulated from Richland Heights East Neighborhood, which discussed the quality of the Road Recovery work. Daryl Cole, TDOT Director, explained that the Richland Heights East Neighborhood was one of the first neighborhoods to receive pavement restoration. The project met the specifications and extended the pavement lifespan, but reflective cracking had occurred. This reflective cracking was anticipated as funding was not available to completely reconstruct all of the roadways in the neighborhood.

The BOC discussed the funding deficit in roadway maintenance and restoration and observed that the Road Recovery program is addressing the street maintenance problem in the best way possible with the available funding.

During the call to the audience, the BOC heard from representatives of Sunland Gardens Las Vistas Neighborhood, Richland Heights East, and Rolling Hills Neighborhood.

September 26, 2016

Michael Graham, TDOT Public Information Officer, reported that the department was having success in getting media coverage and informing the public with its Twitter account. Other outreach efforts under consideration included an interactive map information card and news releases about the program.

Pam Drake, TDOT, reported that the bond program had completed Year 1 projects at a cost of \$20,198,412, and Year 2 projects at a cost of \$20,132,845; had spent \$18,846,996 in Year 3, with \$1,249,599 encumbered; and had encumbered \$9,337,229 in Year 4. She told the commission that \$70 million of the program's \$100 million has been spent.

Alfred Zuniga, TDOT, presented current bid packages for rehabilitation, residential and fog seal projects.

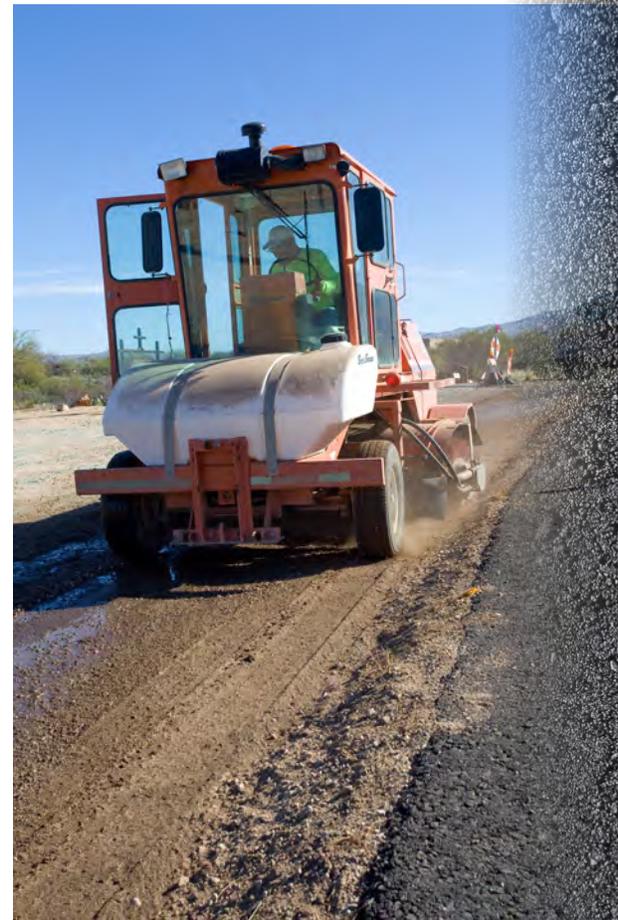
TDOT Director Daryl Cole told the commission that all bond projects Tucson residents approved in Proposition 409 in 2012 would be completed and that TDOT was already tackling some of the projects on the list of alternates recommended by the BOC and approved by the Mayor and Council in 2015 for addition to the program. Mr. Cole explained that because of increasing incidental costs (for design, surveys, testing and inspections) and an increased cost associated with improving the asphalt mix, the excess budget capacity may not be sufficient for all projects on the list of alternates. He asked the BOC to recommend to the Mayor and Council that 14 arterial projects on the list of alternates (Alternate List II) be moved down to the lowest priority and be done, in descending order, only if additional excess funds become available.

The Director shared a list of alternate projects that were thought to be higher priority but that were not yet under contract or in procurement.

BOC members discussed the 14 projects proposed for lower priority and made suggestions for giving several project segments a higher priority based on the roadway condition and projected costs.

The Director said that \$18 million would still be spent for the residential streets portion of the bond program. Proposition 409 designated \$15 million for residential street improvements, to which \$3 million was added as a result of excess budget capacity.

The BOC nominated and elected Daniel Castro to serve as BOC Chair and Lorraine Morales to serve as BOC Co-Chair, starting with the next meeting.



October 6, 2016

The BOC discussed the projects remaining on the list of alternates approved by the Mayor and Council when excess budget capacity became available, including the 14 projects on Alternate List II that TDOT proposed be lowest priority and only undertaken if funds became available. The BOC voted unanimously to recommend to the Mayor and Council that the 14 projects on Alternate List II be lowest priority and only undertaken if funds became available.

TDOT Director Daryl Cole brought to the BOC's attention the Mayor and Council's consideration of a sales tax election in May 2017 that would essentially extend the Road Recovery Program for five more years (another \$100 million) and provide \$150 million for public safety. The BOC discussed the proposal and what their role might be if sales tax revenue became available for road repairs.

December 12, 2016

Michael Graham, TDOT Public Information Officer, distributed City Manager Mike Ortega's memo and attachments proposing a half-cent sales tax election in May to the Mayor and Council for the December 6, 2016, public hearing. After some discussion, BOC members agreed to prepare and send a letter to the Mayor and Council recommending that the road repair proposal and public safety proposal be submitted to voters as two separate ballot measures and that the sales tax be imposed for five years, as proposed in the City Manager's memo. They also agreed that the funds raised by the proposed half-cent sales tax be split 50/50 between road repairs and public safety.

Lisa Lopez, TDOT, distributed and reviewed the Road Recovery Program Overview as of December 9, 2016.

Mr. Graham distributed and reviewed FY 16-17 Residential and Rehabilitation Packages.

He also distributed the City Manager's memo to the Mayor and Council about the revised alternate list of Road Recovery Bond Projects – as approved by the BOC on October 6, 2016 – for a November 22, 2016, public hearing; the November 22, 2016, Mayor and Council meeting summary for the Road

Recovery item; and the revised alternates to be completed and the Alternate List II, which would not be completed with existing funds. TDOT Director Daryl Cole explained that Mayor and Council replaced two River Road projects on the alternates to be completed list with a Midvale Park Road, Irvington Road to Valencia Road, project and approved the revised list. See Attachment A: Final alternates to be completed with changes shown and Attachment B: Alternate List II with changes.

February 13, 2017

Michael Graham, TDOT Public Information Officer, reported that as of February 13, 2017, the program had improved 700 lane miles of arterial roadways (121 centerline miles) and 156 lane miles of residential streets (58 centerline miles), with more to come.



BOC member Bruce Burke, who is also co-chair of the Proposition 101 Campaign Committee, talked about the May 16, 2017, election in which voters will be asked to approve a five-year, half-cent sales tax increase that is expected to generate \$250 million, \$100 million of which would go to road improvements and \$150 of which would go to public safety capital projects. Of the \$100 million for road improvements, \$60 million would be for identified arterial roadways and \$40 million would be for residential, or local, streets. The BOC would provide oversight of the road improvements. A similar commission would be appointed to oversee the public safety projects.

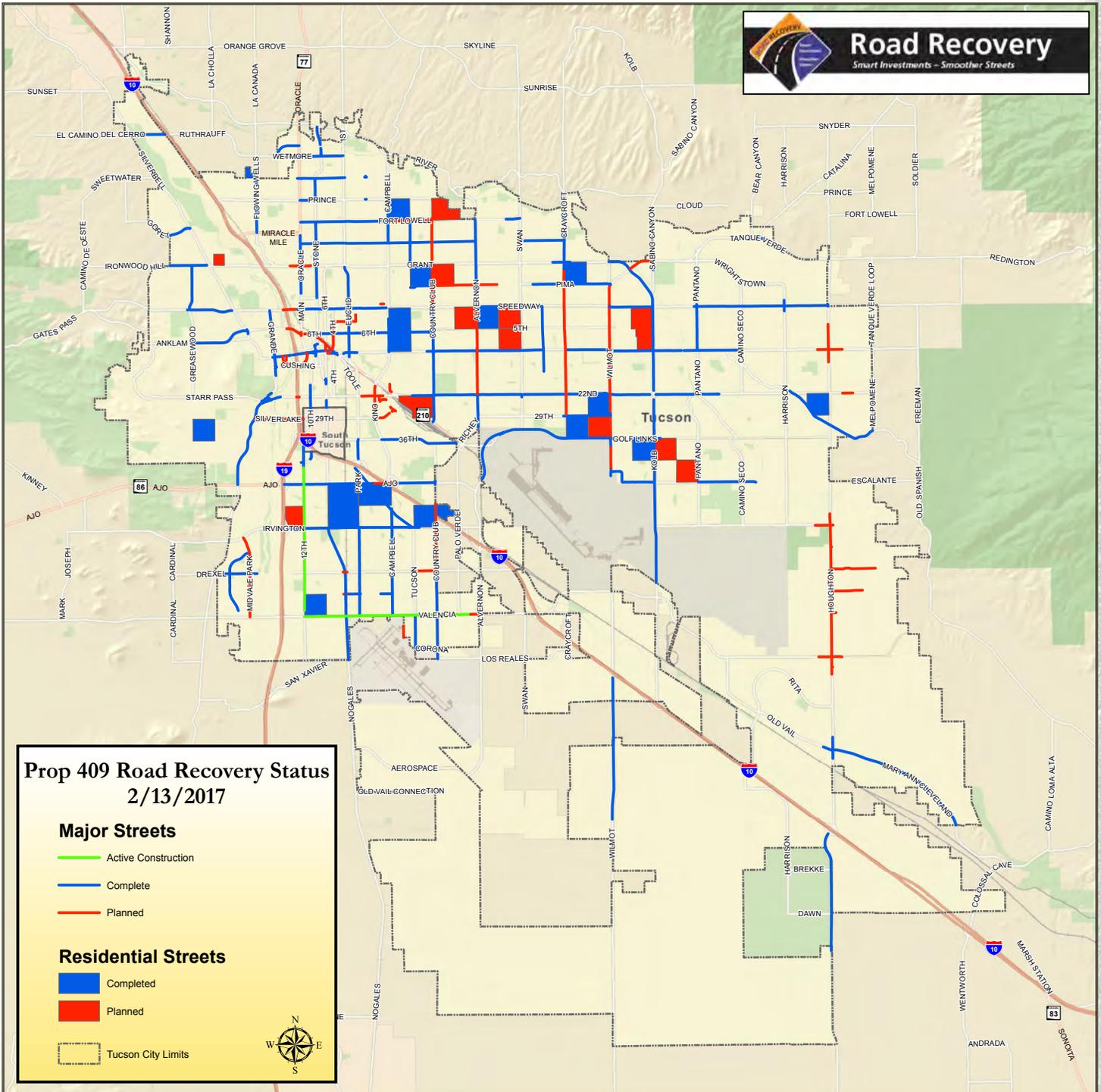


In response to BOC questions, TDOT Director Daryl Cole talked about the different types of road treatments and their costs, along with cost-efficient improvements the program has been able to make in materials and processes used.

Mr. Burke suggested that the BOC develop criteria before the election for the selection of local streets to be improved. The BOC talked about the importance of citizen input, technical criteria and striving for balance/equity among the City wards.

Roadway Recovery Program Status

The map below depicts the current status of the Road Recovery Program outlining completed, in-progress and planned roadways.



An Interactive version of this map is found at <https://maps2.tucsonaz.gov/prop409>

Road Recovery Program Financial Status

**PROPOSITION 409
ROAD RECOVERY PROGRAM OVERVIEW
As of February 9, 2017**

Package Type	Pkg No.	Engineer's Estimate	Actual Bid	Awarded To	Actual Contractor Construction Cost	Actual Other Incidental Costs	Actual Total Costs To Date	Encumbered	Center-line Miles	Project Status
GO STREET BONDS (FY 2014 Projects)										
Fogseal	1	\$480,803	\$519,264	So. Az. Paving	\$870,370	\$4,829	\$875,199		16.71	100% Complete
Seal Coat	1	\$3,149,345	\$2,995,088	So. Az. Paving	\$2,794,994	\$67,320	\$2,862,313		15.17	100% Complete
Crackseal	1	\$449,000	\$453,500	So. Az. Paving	See above	See above	See above			100% Complete
Mill & Overlay	1	\$485,213	\$454,786	So. Az. Paving	\$541,682	\$58,224	\$599,906		0.8	100% Complete
Mill & Overlay	2	\$3,871,572	\$3,202,602	Granite Construction	\$3,700,404	\$206,681	\$3,907,085		5.15	100% Complete
Mill & Overlay	3	\$773,645	\$650,998	So. Az. Paving	\$745,769	\$34,449	\$780,218		2.72	100% Complete
Mill & Overlay	4	\$320,174	\$300,689	Granite Construction	\$258,834	\$29,142	\$287,976		0.75	100% Complete
Mill & Overlay	5	\$1,779,192	\$1,693,232	So. Az. Paving	\$1,507,439	\$136,425	\$1,643,864		2.7	100% Complete
Mill & Overlay	6	\$2,300,000	\$2,381,386	So. Az. Paving	\$2,379,885	\$159,912	\$2,539,797		4.68	100% Complete
Reconstruct	1	\$1,423,628	\$1,353,099	Granite Construction	\$1,383,018	\$117,412	\$1,500,431		1.48	100% Complete
Reconstruct	2	\$2,562,916	\$1,963,628	So. Az. Paving	\$2,160,403	\$167,460	\$2,327,863		2.94	100% Complete
Residential	1	\$677,176	\$637,428	So. Az. Paving	\$727,070	\$49,784	\$776,854		3.85	100% Complete
Residential	2	\$964,488	\$848,000	So. Az. Paving*	\$646,794	\$6,417	\$653,211		5.57	100% Complete
Residential	3	\$566,384	\$505,380	So. Az. Paving	\$611,198	\$20,681	\$631,880		4.13	100% Complete
Residential	4	\$628,768	\$599,779	So. Az. Paving	\$767,323	\$37,669	\$804,992		3.83	100% Complete
Fogseal (FY15)	1				\$0	\$5,063	\$5,063			100% Complete
Reconstruct (FY15)	1				\$0	\$1,761	\$1,761			100% Complete
Totals		\$20,432,304	\$18,558,859		\$19,095,183	\$1,103,229	\$20,198,412		70.48	
GO STREET BONDS (FY 2015 Projects)										
Mill & Overlay (FY14)	6			So. Az. Paving	\$78,511	\$1,196	\$79,707	\$0		100% Complete
Reconstruct (FY14)	1				\$0	\$372,395	\$372,395	\$0		100% Complete
Reconstruct (FY14)	2				\$0	\$16,548	\$16,548	\$0		100% Complete
Residential (FY14)	2	* See above	* See above	So. Az. Paving	\$231,524	\$8,164	\$239,688	\$0	* See above	100% Complete
Fogseal	1	\$536,597	\$493,896	So. Az. Paving	\$707,031	\$49,718	\$756,749	\$0	11.54	100% Complete
Rehabilitation (FY15)	4	\$5,030,000	\$4,991,691	So. Az. Paving*	\$2,300,184	\$176,404	\$2,476,588	\$0	1.75	100% Complete
Rehab	1	\$13,906,400	\$10,899,500	Sunland Asphalt	\$10,379,223	\$868,560	\$11,247,783	\$0	16.69	100% Complete
Reconstruct	1	\$2,026,303	\$1,763,816	So. Az. Paving	\$2,278,721	\$33,332	\$2,312,053	\$0	6.94	100% Complete
Residential	1	\$2,900,000	\$2,417,417	Intermountain Slurry*	\$2,515,865	\$115,469	\$2,631,334	\$0	19.96	100% Complete
		\$24,399,300	\$20,566,320		\$18,491,059	\$1,641,786	\$20,132,845	\$0	56.88	

**PROPOSITION 409
ROAD RECOVERY PROGRAM OVERVIEW
As of February 9, 2017
Continued**

Bike Boulevard Projects completed and included in the FY 2015 Residential Package #1	Center-line Miles	Project Status
New Deal Neighborhood - Treat Ave: Grant to Elm \$140,722 (Included in Actual Costs)	0.50	Construction Complete
Sam Hughes Neighborhood (North) - 3rd St: Campbell Ave to Tucson Blvd \$109,805 (Included in Actual Costs)	0.50	Construction Complete

Package Type	Pkg No.	Engineer's Estimate	Actual Bid	Awarded To	Actual Contractor Construction Cost	Actual Other Incidental Costs	Actual Total Costs To Date	Encumbered	Center-line Miles	Project Status
GO STREET BONDS (FY 2016 Projects)										
Rehab (FY15)	1	*See above	*See above	Sunland Asphalt	\$620,645	\$6,565	\$627,210		*See above	100% Complete
Rehabilitation (FY15)	4	*See above	*See above	So. AZ. Paving	\$3,881,109	\$213,047	\$4,094,156	\$0	*See above	100% Complete
Residential (FY15)	1	* See above	* See above	Intermountain Slurry	\$283,807	\$0	\$283,807	\$0	* See above	100% Complete
Rehabilitation (FY16)	1	\$11,254,181	\$9,433,000	Sunland Asphalt	\$6,404,841	\$793,075	\$7,197,916	\$0	11.00	Active Construction
Rehabilitation (FY16)	2	\$7,968,936	\$7,265,236	Borderland	\$2,635,710	\$442,823	\$3,078,533	\$0	8.00	Active Construction
Residential (FY16)	3	\$1,985,701	\$1,455,344	So. AZ. Paving	\$1,367,203	\$68,490	\$1,435,693	\$0	9.00	Substantially Complete
Residential (FY16)	4	\$2,214,566	\$1,557,953	So. AZ. Paving	\$1,779,478	\$166,609	\$1,946,087	\$0	10.00	100% Complete
Fogseal (FY16)	5	\$1,330,581	\$1,296,893	So. AZ. Paving	\$741,151	\$20,910	\$762,061	\$0	14.00	Active Construction
Rehab (FY17)		TBD	TBD	Kimley-Horn (Survey)		\$718,609	\$718,609	\$0		Active Survey
		\$24,753,964	\$21,008,426		\$17,713,944	\$2,430,128	\$20,144,072	\$0	52.00	

Bike Boulevard Projects planned and included in the FY 2016 Residential Package #4	Center-line Miles	Project Status
Peter Howell Neighborhood (North) – 3rd St → Irvine Cir → Bryant Ave → Texas Circle: Alvernon Way to Columbus Blvd \$127,965 (Included in Engineer's Estimate)	\$4,337,714 0.60	Active Construction

**PROPOSITION 409
ROAD RECOVERY PROGRAM OVERVIEW
As of February 9, 2017
Continued**

	Project Totals			Costs to date	Remaining Engineer's Est	Proj Bal	Project Status
PROGRAM SUMMARY							
FY 2014-Fund 040	\$20,198,412	Completed		\$70,642,598	\$29,369,137	\$100,011,735	
FY 2015-Fund 041	\$20,132,845	Completed	Residential	\$9,601,326	\$8,046,185	\$17,647,511	0.1764544
FY 2016-Fund 042	\$20,144,072	Completed	Rehabilitation	\$61,041,272	\$21,322,952	\$82,364,224	0.8235456
FY 2017-Fund 043	\$24,327,537	Active - Balance to Fund 044					
FY 2018-Fund 044	\$15,208,868	Eng Estimates					
	\$100,011,735						

	Bond/Int Rev	Expense (Actual/Projected)	Variance
FY 2014	\$20,198,412	\$20,198,412	\$0
FY 2015	\$20,132,845	\$20,132,845	\$0
As of 9/7/16 FY 2016	\$20,041,478	\$20,144,072	\$102,594
FY 2017	\$20,000,000	\$24,327,537	\$4,327,537
FY 2018	\$20,000,000	\$15,208,868	(\$4,791,132)
	\$100,372,735	\$100,011,735	(\$361,000)

FY 2016 and FY 2017 Completed Projects

Treatment	Ward(s)	Route	Begin	End
Mill & Overlay	5,6	22nd St	Tucson Blvd	Alvernon Way
Mill & Overlay	6	Alvernon Way	Fort Lowell Rd	Speedway Blvd
Mill & Overlay	3	Camp Lowell Dr	Columbus Blvd	Swan Rd
Mill & Overlay	3	Campbell Ave	Fort Lowell Rd	CL Glenn St
Mill & Overlay	5	Corona Rd	Tucson Blvd	Country Club Rd
Mill & Overlay	5	Country Club Rd	Drexel Rd	Los Reales Rd
Mill & Overlay	4	Kolb Rd	Golf Links Rd	Irvington Rd (City Limits)
Mill & Overlay	1,3	Speedway Blvd	Main Ave	Main Ave
Mill & Overlay	4	Calle Polar (Escalante Rd Project)	Nicaragua Dr	Escalante Rd
Mill & Overlay	6	Elm St (Pima St Project)	Tucson Blvd	Country Club Rd
Mill & Overlay	4	Escalante Rd (Escalante Rd Project)	Calle Polar	Kolb Rd
Mill & Overlay	4	Escalante Rd (Escalante Rd Project)	Pantano Rd	Apache Well Dr (Wingate Blvd)
Mill & Overlay	1,5	Irvington Rd	I-19 Ramp (East)	6th Ave
Mill & Overlay	4	Nicaragua Dr (Escalante Rd Project)	Wilmot Rd	Calle Polar
Mill & Overlay	6	Rosemont Blvd	Speedway Blvd	Winsett St
Mill & Overlay	3	Tucson Blvd (Tucson Blvd Project)	Fort Lowell Rd	Glenn St
Mill & Overlay	3,6	Tucson Blvd (Tucson Blvd Project)	Glenn St	Grant Rd
Cape Seal	5	Bernard Dr	Ajo Way	Ajo Way
Cape Seal	5	Evans Blvd	Ajo Way	Ajo Way
Cape Seal	5	Fremont Ave	Palmdale St	Pennsylvania St
Cape Seal	5	Palmdale St	Park Ave	Santa Rita Ave
Cape Seal	5	Pennsylvania St	Park Ave	Santa Rita Ave
Cape Seal	5	Santa Rita Ave	Palmdale St	Pennsylvania St
Cape Seal	5	2nd Ave	Ajo Way	President St

Treatment	Ward(s)	Route	Project Limits	
			Begin	End
Cape Seal	5	2nd Ave	President St	Fairground Dr
Cape Seal	5	3rd Ave	Ajo Way	Fairground Dr
Cape Seal	5	3rd Ave	Irvington Rd	Irvington Rd
Cape Seal	5	4th Ave	Ajo Way	Michigan Dr
Cape Seal	5	5th Ave	Ajo Way	Aviation Dr
Cape Seal	5	5th Ave	Michigan Dr	Fairground Dr
Cape Seal	5	Aviation Dr	6th Ave	6th Ave
Cape Seal	5	Aviation Dr	6th Ave	Fair Ave
Cape Seal	5	Columbia St	6th Ave	6th Ave
Cape Seal	5	Columbia St	6th Ave	Fair Ave
Cape Seal	5	District St	6th Ave	6th Ave
Cape Seal	5	District St	6th Ave	Fair Ave
Cape Seal	5	Fair Ave	Ajo Way	Lincoln St
Cape Seal	5	Fair Ave	Michigan Dr	Fairground Dr
Cape Seal	5	Fair Ave	Pennsylvania Dr	Pennsylvania Dr
Cape Seal	5	Fair Ave	Lincoln St	Pennsylvania Dr
Cape Seal	5	Fair St	Fair Ave	Park Ave
Cape Seal	5	Fairground Dr	5th Ave	Fair Ave
Cape Seal	5	Lincoln St	6th Ave	6th Ave
Cape Seal	5	Lincoln St	6th Ave	Fair Ave
Cape Seal	5	Michigan Dr	6th Ave	6th Ave
Cape Seal	5	Michigan Dr	6th Ave	Fair Ave
Cape Seal	5	Ohio St	Park Ave	Park Ave
Cape Seal	5	Palmdale St	6th Ave	6th Ave
Cape Seal	5	Palmdale St	6th Ave	Fair Ave
Cape Seal	5	Pennsylvania Dr	6th Ave	6th Ave
Cape Seal	5	Pennsylvania Dr	6th Ave	Fair Ave
Cape Seal	5	President St	2nd Ave	Fair Ave
Cape Seal	5	President St	6th Ave	6th Ave
Cape Seal	5	President St	6th Ave	2nd Ave
Cape Seal	5	Rodeo Dr	5th Ave	Fair Ave

Treatment	Ward(s)	Route	Project Limits	
			Begin	End
Cape Seal	5	Unknown Rd (Sun Tran Dr)	Fair St	Fair St
Cape Seal	5	Bentley Ave	Missouri St	Missouri St
Cape Seal	5	Kentucky St	Treat Ave	Bentley Ave
Cape Seal	5	Missouri St	Treat Ave	Country Club Rd
Cape Seal	5	Ohio St	Treat Ave	Stewart Ave
Cape Seal	5	Stewart Ave	Ohio St	Missouri St
Cape Seal	5	Treat Ave	Missouri St	Treat Pl
Cape Seal	5	Treat Pl	Treat Ave	Treat Ave
Cape Seal	5	Unknown Rd	Country Club Rd	Country Club Rd
Cape Seal	4	Andorra Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Barbados Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Basque Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Breton Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Brittany Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Cape Verde Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Carthage Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Cathay Pl	Discovery Dr	NPI Discovery Dr
Cape Seal	4	Ceylon Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Corsica Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Discovery Dr	22nd St	Houghton Rd
Cape Seal	4	Discovery Ln	Old Spanish Tr	Discovery Dr
Cape Seal	4	Home View Ln	Rincon Shadows Dr	Pleasant View Way
Cape Seal	4	Normandy Pl	22nd St	22nd St
Cape Seal	4	Pleasant View Way	Home View Ln	Discovery Dr
Cape Seal	4	Rincon Shadows Dr	Home View Ln	Discovery Dr
Cape Seal	4	Sumatra Pl	Discovery Dr	Discovery Dr
Cape Seal	4	Troy Pl	Discovery Dr	Discovery Dr
Cape Seal	2	Brighton Ln	Linden St	Pima St
Cape Seal	2	Edison St	Craycroft Rd	Leonora Ave
Cape Seal	2	Edison St	North St	Sahuara Ave
Cape Seal	2	Frannea Dr	Seneca St	Seneca St

Treatment	Ward(s)	Route	Project Limits	
			Begin	End
Cape Seal	2	Hampton Pl	Craycroft Rd	Leonora Ave
Cape Seal	2	Hampton St	Rainbow Vista Dr	Sahuara Ave
Cape Seal	2	Hart Ln	Linden St	Linden St
Cape Seal	2	Hart Ln	Linden St	Pima St
Cape Seal	2	Homer Ave	Waverly St	Waverly St
Cape Seal	2	Julius Stra	Lester St	Van Buren Ave
Cape Seal	2	Leonora Ave	Edison St	Hampton St
Cape Seal	2	Lester St	Craycroft Rd	Van Buren Ave
Cape Seal	2	Linden St	Craycroft Rd	Van Buren Ave
Cape Seal	2	Linden St	Van Buren Ave	Mckinley Ave
Cape Seal	2	Mckinley Ave	Pima St	Pima St
Cape Seal	2	Mckinley Ave	Linden St	Linden St
Cape Seal	2	North St	Rainbow Vista Dr	Sahuara Ave
Cape Seal	2	Pima St (North Frontage Rd)	Craycroft Rd	Craycroft Rd
Cape Seal	2	Pima St (North Frontage Rd)	Craycroft Rd	Craycroft Rd
Cape Seal	2	Rainbow Vista Dr	Grant Rd	Sahuara Ave
Cape Seal	2	Seneca St	Van Buren Ave	Rainbow Vista Dr
Cape Seal	2	Van Buren Ave (East)	Seneca St	Pima St
Cape Seal	2	Van Buren Ave (West)	Julius Stra	Pima St
Cape Seal	2	Waverly St	Craycroft Rd	Van Buren Ave
Cape Seal	2	Waverly St	Van Buren Ave	Sahuara Ave
Cape Seal	6	1st St	Alvernon Way	Columbus Blvd
Cape Seal	6	2nd St	Alvernon Way	Columbus Blvd
Cape Seal	6	3rd St	Alvernon Way	Irving Cir
Cape Seal	6	4th Pl	4th St	4th St
Cape Seal	6	4th St	Montezuma Ave	Columbus Blvd
Cape Seal	6	Alhambra Pl	Longfellow Ave	Irving Cir
Cape Seal	6	Arlington Blvd	Speedway Blvd	2nd St
Cape Seal	6	Bryant Ave	2nd St	Texas Cir
Cape Seal	6	Bryant Ave	Speedway Blvd	2nd St
Cape Seal	6	Hawthorne St	Longfellow Ave	Bryant Ave

Treatment	Ward(s)	Route	Project Limits	
			Begin	End
Cape Seal	6	Irving Cir	Bryant Ave	5th St
Cape Seal	6	Longfellow Ave	2nd St	5th St
Cape Seal	6	Longfellow Ave	Speedway Blvd	5th St
Cape Seal	6	Montezuma Ave	2nd St	4th St
Cape Seal	6	Roberts Pl	Longfellow Ave	Irving Cir
Cape Seal	6	Texas Cir	4th St	Columbus Blvd
Fogseal	5	10th Ave	22nd St	26th St
Fogseal	5	Alvernon Way	22nd St	29th St
Fogseal	2	Broadway Blvd	Wilmot Rd	Pantano Rd
Fogseal	1,6	Broadway Blvd EB (Congress St Project 1)	5th Ave	5th Ave
Fogseal	1,6	Broadway Blvd WB (Congress St Project 1)	PCCP	PCCP
Fogseal	1,6	Broadway Blvd EB (Congress St Project 2)	Granada Ave	Church Ave
Fogseal	1,6	Congress St WB (Congress St Project 1)	PCCP	5th Ave
Fogseal	1,6	Congress St (Congress St Project 2)	I-10 Frontage Rd (East)	Granada Ave
Fogseal	1,6	Congress St WB (Congress St Project 2)	5th Ave	Granada Ave
Fogseal	2	Craycroft Rd	River Rd (PCCP bridge over Rillito River)	Glenn St
Fogseal	5	Cushing St	Avenida Del Convento	I-10 Frontage Rd (East)
Fogseal	4	Golf Links Rd	Swan Rd	Wilmot Rd
Fogseal	2,4	Golf Links Rd	Wilmot Rd	Mann Ave
Fogseal	2	Harrison Rd (Speedway Blvd Project)	Calle Eunice	Speedway Blvd
Fogseal	2	Houghton Rd (Speedway Blvd Project: IGA)	Speedway Blvd	Speedway Blvd
Fogseal	1	Mission Rd	Grande Ave	Ajo Way
Fogseal	1	Oaktree Park Dr	Midvale Park	Drexel Rd
Fogseal	3	Oracle Rd (Oracle Project)	Miracle Mile	Grant Rd

Treatment	Ward(s)	Route	Project Limits	
			Begin	End
Fogseal	3	Oracle Rd (Oracle Project)	Grant Rd	Drachman Rd
Fogseal	5	Park Ave (Park Ave Project)	36th St	Tucson Market Place Blvd (PCCP)
Fogseal	2	Sabino Canyon Rd (Sabino Canyon Rd Project)	Tanque Verde Rd	Tanque Verde Rd
Fogseal	2	Speedway Blvd (Speedway Blvd Project)	Camino Seco	Houghton Rd
Fogseal	3	Stone Ave	River Rd	Wetmore Rd
Fogseal	2	Tanque Verde Rd (Sabino Canyon Rd Project)	Sabino Canyon Rd	Sabino Canyon Rd
Fogseal	6	Toole Ave (Congress St Project 1)	4th Ave (West)	4th Ave (West)
Fogseal	6	Toole Ave Over Broadway (Congress St Project 1)	Broadway Blvd	Broadway Blvd
Fogseal	6	Tucson Market Pl (Park Ave Project)	Kino Pwky	Kino Pkwy

Attachment A: Alternate List to be Completed with Changes Shown

Segment	Approve List	OCI	Miles	Ward	Pavement Area (SY)	Traffic Volume	Comments
Alvernon Wy SPI Speedway Bl to NPI 22nd St	Alternate	40	2	6	74969	37,000	
Pima St CL Country Club Rd to 124E Cl Columbus Bl	Alternate	30	1.52	6	42727	7,715	
Country Club Rd 2678N CL Prince Rd to 250N CL Fort Lowell Rd	Alternate	40	1	3	18101	12,000	
Country Club Rd 250S CL Fort Lowell Rd to NPI Glenn St	Alternate	50	0.4	3	18426	18,000	
Country Club Rd SPI Glenn St to 250S CL Speedway Bl	Alternate	40	1.5	3,6	44121	18,000	
River Rd 750W CL Oracle Rd (City-LimWitPsl) Oracle Rd (ADOT ROW)	Alternate	40	0.15	3	7426	31,865	<i>Moved to Attachment B</i>
River Rd 32E CL Stone Lp (City Limits) to EPI 1st Av	Alternate	40	0.78	3	38580	24,961	<i>Moved to Attachment B</i>
Tanque Verde Rd EPI Kolb Rd to 280W CL Sabino Canyon Rd	Alernate	40	0.5	2	34513	54,000	
Midvale Park Rd SPI Irvington Rd To NPI Valencia Rd	Alternate	40	1.9	1	77948	10,872	<i>Added from Attachment B</i>

Note: Deleted material in strikethrough.

Added material in bold.

Attachment B: Alternate List II with Changes

Segment	Approve List	OCI	Miles	Ward	Pavement Area (SY)	Traffic Volume
Church Av 100S SPI 6th St To NPI Alameda St	Alternate	40	0.27	1,6	9366	6236
Church Av 220S CL Alameda St To NPI Pennington St	Alternate	40	0.36	1,6	2540	6,236
Church Av 290S CL Broadway BI To NPI Cushing St	Alternate	30	0.22	1,6	9393	2,621
5th St EPI Country Club Rd To WPI Wilmot Rd	Alternate	30/50/40	4	6	125734	16,715
Stone Av SPI 1st St To SPI Toole Av	Alternate	40	0.46	1,6	15,996	16088
Stone Av SPI Alameda St To NPI Broadway BI	Alternate	40	0.22	1,6	6002	8005
22nd St WPI Camino Seco To WPI Houghton Rd	Alternate	40	1.82	2,4	66090	10996
Congress St WPI Silverbell Rd To 250W CL Grande Av	Alternate	30	0.28	1	10654	10654
Silverbell Rd 367S CL Saint Marys Rd To NPI Congress St	Alternate	40	0.68	1	22451	22451
Granada Av 195S CL Saint Marys Rd To NPI Congress St	Alternate	40	0.4	1	14080	14080
Cushing St 87E CL Granada Av To WPI Stone Av	Alternate	30	0.55	6	16133	4058
Main Av SPI Cushing St To NPI 18th St	Alternate	50	0.3	6	10560	2753
10th Av SPI 18th St To NPI 19th St	Alternate	40	0.1	5	2457	2326
Alameda St 945W CL Granada Av To WPI Church Av	Alternate	40	0.41	1,6	12767	3239
Alameda St EPI Stone Av To 50W WPI 6th Av	Alternate	40	0.17	1,6	35400	2044
Franklin St EPI Granada Av To WPI Stone Av	Alternate	50/30	0.3	1	8800	2068
Pennington St NPI Congress To WPI Stone Av	Alternate	40	0.3	1	7040	826
River Rd 750W CL Oracle Rd (City LimWitPsl) Oracle Rd (ADOT ROW)	Alternate	40	0.15	3	7426	31,865
River Rd 32E CL Stone Lp (City Limits) to EPI 1st Av	Alternate	40	0.78	3	38580	24,961